

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of George H. Thiel	)	Examiner:
	)	
Serial No.: To be assigned	)	Art Unit:
	)	
Filed: Herewith	)	
	)	
For: <b>METHOD AND STRUCTURE FOR SELF HEALING</b>	)	
<b>CRACKS IN UNDERFILL MATERIAL BETWEEN</b>	)	
<b>AN I/C CHP AND A SUBSTRATE BONDED</b>	)	
<b>TOGETHER WITH SOLDER BALLS</b>	)	

Docket No. END920030022US1 (IEN-10-5752)

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is being filed to fulfill the duty of candor and good faith toward the Patent and Trademark Office, as required pursuant to 37 C.F.R. § 1.56.

Listed on the attached PTO form 1449 is information known to persons substantively involved in the preparation of the application identified above, and that a reasonable Examiner would consider important when deciding whether to allow the application. This document is not to be construed as a representation that a search to locate the most relevant information has been made, nor a representation that more pertinent information does not exist.

Copies of the information listed on the attached PTO Form 1449 are provided herewith.

END920030022US1 (IEN-10-5752)

The identification of any information herein is not intended to be, and should not be understood as being, an admission that such information, in fact, constitutes "prior art" within the meaning of applicable law. The "prior art" status of any information is a matter to be resolved during prosecution.

This Information Disclosure Statement is being filed the application. Accordingly, it is not believed that any fee is required relating to the filing of this Information Disclosure Statement. If this is not the case, the Patent Office is hereby authorized to charge any related fee to Deposit Account No. 09-0457.

Respectfully submitted,

Date: 9/23/03

By: William N. Hogg  
William N. Hogg (Reg. No. 20,156)  
Driggs, Lucas, Brubaker & Hogg Co., L.P.A.  
8522 East Avenue  
Mentor, Ohio 44060  
(440) 205-3600  
Fax: 440-205-3601

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enclosures

Subst. Form PTO-1449  APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: END920030022US1 (IEN-10-5752)	Serial No.: To be assigned
	Applicant: George H. Thiel	
	Filing Date: Herewith	Group: To be assigned

## U.S. PATENT DOCUMENTS

Initial*		Document No.	Date	Name	Class	Subcl.	Filing Date
	AA	6,020,385	02/01/2000	Halle et al	521	31	11/12/1997
	AB	6,261,871 B1	07/17/2001	Langari et al	438	124	01/31/2000
	AC	6,375,872 B1	04/23/2002	Chao	264	4.33	11/17/1992
	AD	6,479,167 B2	11/12/2002	Sumita et al	428	620	02/01/2001
	AE	6,486,099 B2	11/26/2002	Igari et al	504	359	01/12/2001
	AF	6,500,564 B1	12/31/2002	Shiobara et al	428	620	08/18/2000
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subcl.	Translation?
	AL						
	AM						
	AN						

## OTHER DOCUMENTS

	AO	"Autonomic healing of polymer composites", letters to nature, Nature 409, 794-797 (2001), 15 February 2001					
	AP	"In situ (urea-formaldehyde) microencapsulation of dicyclopentadiene", E.N. Brown et al, Journal of Microencapsulation (1998) pgs. 1-14 plus List of Recent TAM Reports					
	AQ						
	AR						
	AS						
	AT						

Examiner:

Date Considered:

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if in conformance and not considered.  
Include copy of this form with next communication to applicant.